



 REDJACKET SERIES

BIG-FLO[®] 6" Submersibles

FEATURES

- Smooth passageways provide low friction radial water flow.
- Glass filled engineered composite impeller-diffuser assemblies are encased in a corrosion resistant stainless steel shell.
- Pump and motor assembly are corrosion resistant.
- Efficient operation in either horizontal or vertical position.
- Impeller-diffuser assemblies are mounted on a 16-spline steel shaft for positive drive.
- A top bearing is provided in the cast-iron discharge head for better shaft alignment.
- Replaceable journals protect shafts at bearings. Multi-stage construction permits modular or individual part replacements.
- Glass filled engineered composite - staged components (impellers/diffusers) are permanently bonded by a reliable, foolproof, ultrasonic welding technique.
- Powered by CentriPro®. Motors are compatible with any competitive pump end of comparable horsepower.

Big-Flo submersible pump/motor units are designed for industrial 6 inch pumping applications with pump capacities up to 115 GPM for varying well depths.

"LB" SERIES PUMPS - 55 GPM - 6"

PERFORMANCE

The pump and motor of the "LB" Series are most efficient at 55 GPM. This should be considered when selecting the desired model. The correct model can be selected from either the performance table or the graph on these pages. Performances shown do not include drop pipe friction.

"LB" SERIES, 55 GPM, PERFORMANCE TABLE (Recommended Operating Ranges)

Depth to Water Level in Feet	Capacity in Gallons per Minute Against Discharge Pressures Shown																																
	Pump No.	0 PSI								20 PSI								40 PSI								60 PSI							
		2LB	3LB	5LB	8LB	10LB	15LB	20LB	25LB	2LB	3LB	5LB	8LB	10LB	15LB	20LB	25LB	2LB	3LB	5LB	8LB	10LB	15LB	20LB	25LB	2LB	3LB	5LB	8LB	10LB	15LB	20LB	25LB
HP	2	3	5	7½	10	15	20	25	2	3	5	7½	10	15	20	25	2	3	5	7½	10	15	20	25	2	3	5	7½	10	15	20	25	
40									59	75									59	77							29	68					
80	63	77	89							61	78								36	70							58	77					
120	24	63	80							41	71									60	78						47	73	80				
160		46	72								61	79								49	73							67	77				
200			63	79							51	74								29	68	78						60	74				
240			52	75							35	69	78								61	74						52	69	80			
280			39	70	79							62	75								54	70	80					44	64	78			
320				63	75							55	71								46	65	78					32	58	76			
360				56	72							47	66	79							34	59	76						51	74	80		
400				48	67	79						36	60	77								52	74	81					44	72	79		
440				39	61	77							53	75								45	72	79					34	69	77		
480					54	75							46	72	79							36	69	77						65	75		
520					47	73	79						38	70	78								66	75						61	73		
560					39	70	78						24	66	76								62	74						57	72		
600					27	67	76							62	74								57	72						53	69	80	
640						63	74							58	72								53	70	80					49	67	79	
680						59	72							54	70	80							49	67	79					45	64	78	
720						55	70	80						50	68	79							45	65	78					40	61	77	
760						50	68	79						46	65	78							41	62	77					34	58	76	
800						46	66	79						42	62	77							35	59	76						55	74	
840						42	63	78						36	59	76							25	55	75						52	73	
880						37	60	76						27	56	75								52	73						49	71	
920						29	56	75							53	73								49	71						45	68	
960							53	74							50	71								46	69						42	66	
1000							50	72							46	69								43	66						38	63	
1040							47	70							43	67								39	64						32	61	
1080							44	67							39	64								33	61							58	
1120							40	65							34	61								26	58							55	
1160							35	62							27	59									55							52	
1200							28	59								56									53							50	
1300								52								49									46							42	
1400								45								41									36							27	
1500								34								26																	

"LB" SERIES, 55 GPM, SPECIFICATIONS

Water End	Required HP	No. of Stages	Pump Length	Pump Weight
2LB6-4	2 (4")	2	17"	24
3LB6-4	3 (4")	3	19"	35
5LB6-4	5 (4")	5	23"	40
8LB6	7½	8	29"	46
10LB6	10	10	32"	50
15LB6	15	15	42"	59
20LB6	20	20	52"	70
25LB6	25	25	70"	85

Notes:

All "LB" Series pumps have 5¾" maximum "O.D."

All "LB" Series pumps have discharge head tapped 3" NPT.

Important:

Check valve not furnished.

Minimum Well Size:
6" I.D.

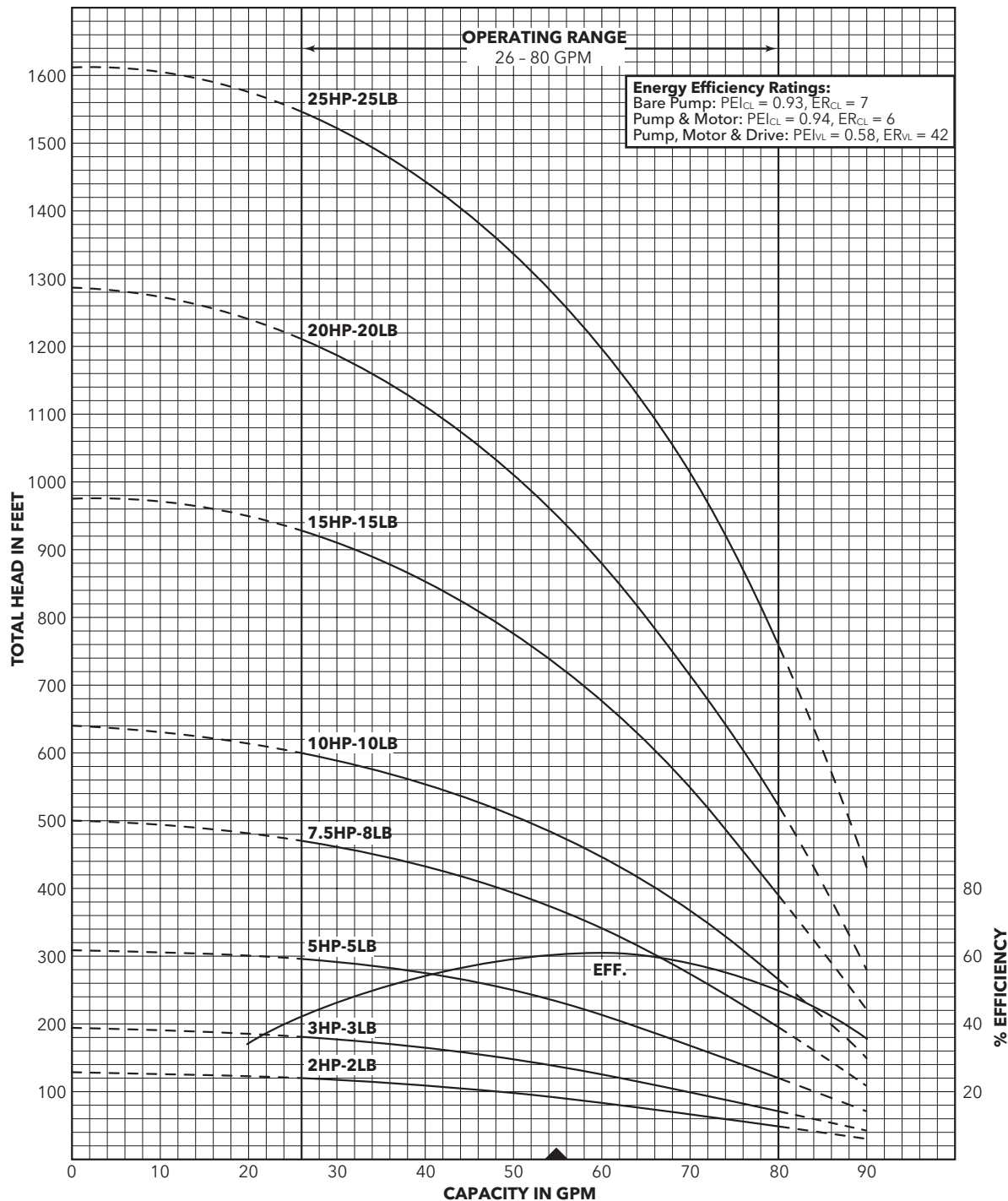
AGENCY LISTINGS



NSF/ANSI 372 - Drinking Water System Components - Lead Content

CLASS 6853 01 - Low Lead Content Certification Program - Plumbing Products

"LB" SERIES PUMPS - 55 GPM - 6"



▲ Rated Flow at Best Efficiency

"LB" Series, 55 GPM, RPM 3450

Guaranteed as minimum performance only if certified.

Minimum Well Size: 6" I.D.

Note: Continuous operation outside operating range will void warranty.

"MB" SERIES PUMPS - 85 GPM - 6"

PERFORMANCE

The pump and motor of the "MB" Series are most efficient at 85 GPM. This should be considered when selecting the desired model. Performances shown do not include drop pipe friction.

"MB" SERIES, 85 GPM, PERFORMANCE TABLE (Recommended Operating Ranges)

Depth to Water Level in Feet	Capacity in Gallons per Minute Against Discharge Pressures Shown																													
	Pump No.	0 PSI							20 PSI							40 PSI							60 PSI							
		4MB	6MB	8MB	12MB	16MB	20MB	24MB	4MB	6MB	8MB	12MB	16MB	20MB	24MB	4MB	6MB	8MB	12MB	16MB	20MB	24MB	4MB	6MB	8MB	12MB	16MB	20MB	24MB	
		HP	5	7½	10	15	20	25	30	5	7½	10	15	20	25	30	5	7½	10	15	20	25	30	5	7½	10	15	20	25	30
		40								112							91							64	106	68				
80	113							96							69	108							95	110						
120	98							74	110							97	111						82	107						
160	78	111						40	99	112						86	104						64	94	111					
200	48	101	113						88	106						68	96							83	106	116				
240		89	106						71	97	113					41	86	108						70	102	112				
280		74	98	114					47	87	108						73	103	113					52	96	109				
320		50	88	109						76	103	114					57	97	112						90	105	114			
360			77	104	114					60	98	110						92	106						84	101	112			
400			62	99	110						92	107						78	102						76	97	109			
440			40	93	107						86	103	113					69	98	110					67	92	107	112		
480				87	103	113					79	99	110					58	94	107	113				55	87	104	110		
520				80	99	111					70	95	108	114				40	89	105	111					82	101	108		
560				72	95	108	114				60	90	106	112					83	102	108					76	98	106		
600				61	90	105	111				46	89	102	109					78	98	106					70	95	103		
640				49	85	102	109					84	99	107					72	96	104					63	92	101		
680					80	100	107					72	96	104					65	92	101					54	88	98		
720					78	96	104					66	93	102					57	89	99					43	84	96		
760					67	93	102					58	89	99					47	84	96						79	93		
800					59	90	100					48	86	97						80	94						68	90		
840					49	86	97						81	94							75	91						61	88	
880						82	95						76	92						70	89							53	85	
920						78	93						71	89						62	86						40	82		
960						71	89						64	86						54	83								78	
1000						65	86						56	84						42	79								74	
1040						57	84						45	80							75								68	
1080						46	80							75							70								62	
1180							69							61							52									
1280							50							40																

"MB" SERIES, 85 GPM, SPECIFICATIONS

Water End	Required HP	No. of Stages	Pump Length	Pump Weight
4MB6-4	5 (4")	4	21"	28
6MB6	7½	6	25"	32
8MB6	10	8	29"	36
12MB6	15	12	37"	44
16MB6	20	16	45"	52
20MB6	25	20	60"	75
24MB6	30	24	68"	80

Notes:

All "MB" Series pumps have 5¾" maximum "O.D."

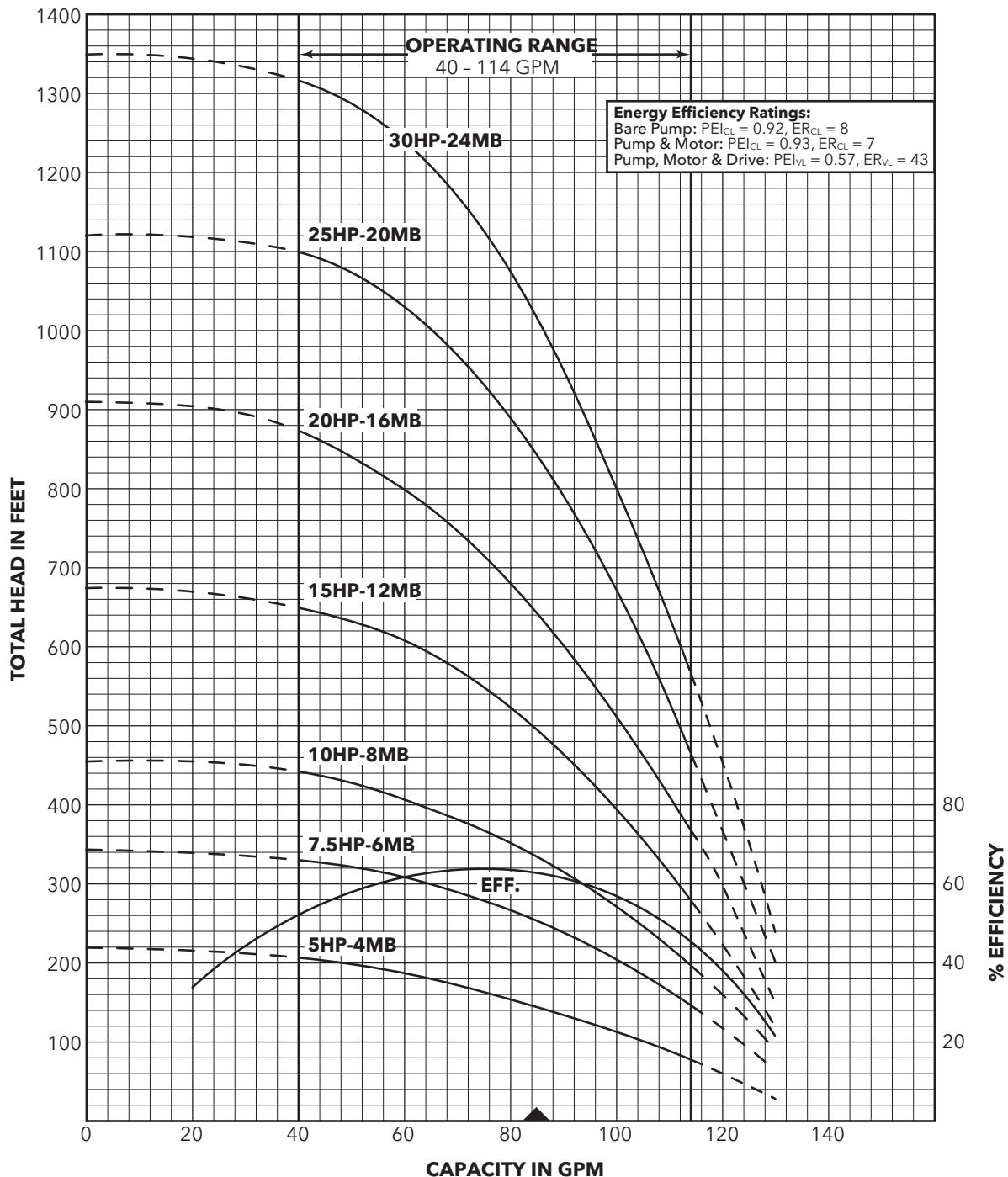
All "MB" Series pumps have discharge head tapped 3" NPT.

Important:

Check valve not furnished.

Minimum Well Size:
6" I.D.

"MB" SERIES PUMPS - 85 GPM - 6"



▲ Rated Flow at Best Efficiency

"MB" Series, 85 GPM, RPM 3450

Guaranteed as minimum performance only if certified.

Minimum Well Size: 6" I.D.

Note: Continuous operation outside operating range will void warranty.

6" BIG-FLO MOTOR CHART

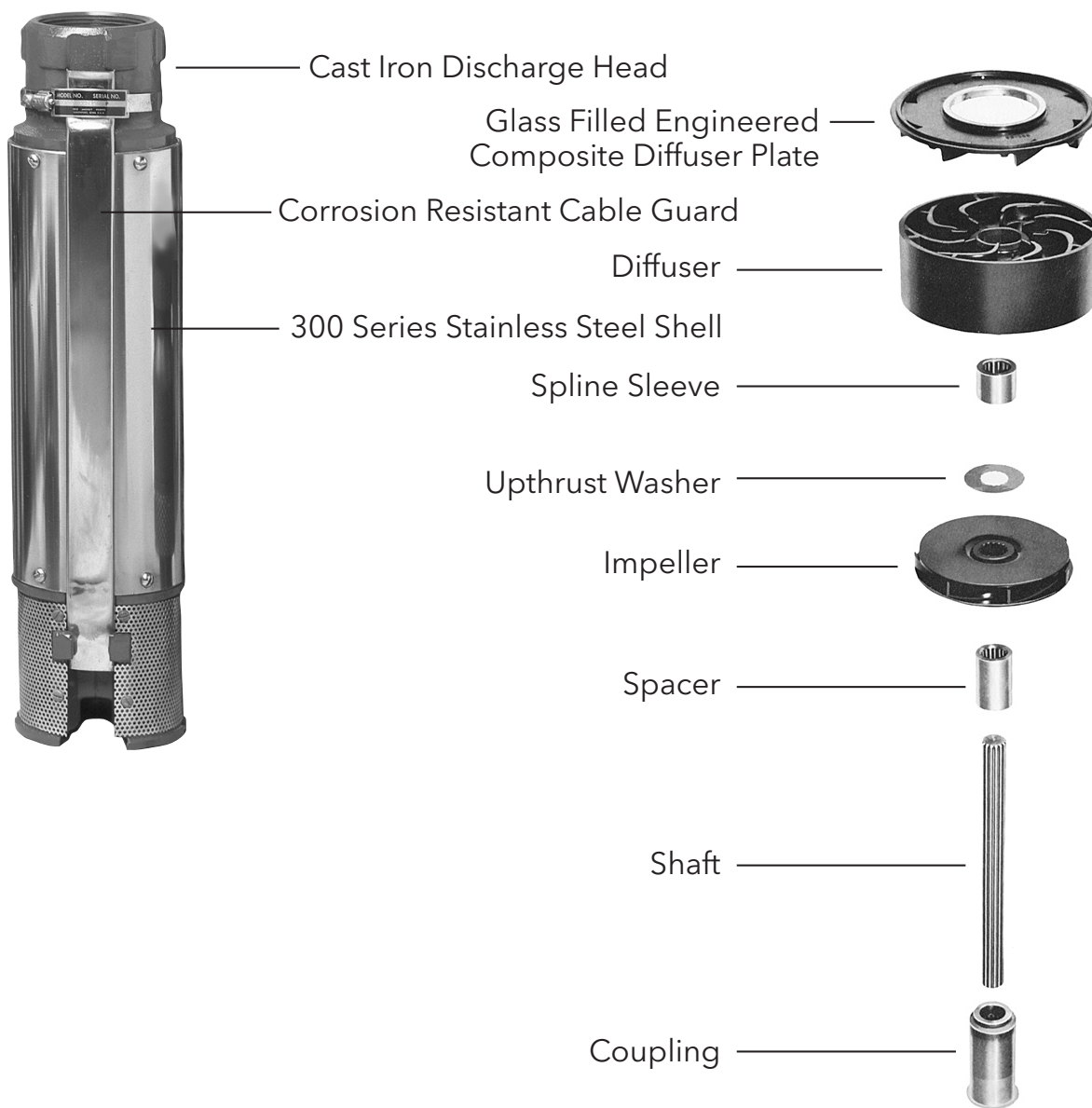
CentriPro Single Phase Motors - Dimensions and Weights

Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
M20412	2	4"	230	15.1	31
M30412	3			18.3	40
M50412	5			27.7	70
6M071	7.5	6"	230	29.9	128
6M101	10				
6M151	15			33.5	148

CentriPro Three Phase Motors - Dimensions and Weights

Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
M20432	2	4"	230	13.8	28
M30432	3			15.3	32
M50432	5			21.7	55
M20434	2		460	13.8	28
M30434	3			15.3	32
M50434	5			21.7	55
6M078	7.5	6"	200	24.8	99
6M072			230		
6M074			460		
6M108	10		200	27.0	110
6M102			230		
6M104			460		
6M158	15		200	29.9	128
6M152			230		
6M154			460		
6M208	20		200	31.5	137
6M202			230		
6M204			460		
6M258	25		200	36.2	161
6M252			230		
6M254			460		
6M308	30		200	38.2	176
6M302			230		
6M304			460		

TYPICAL COMPONENTS - 6" SUBMERSIBLE



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